

**ABSTRACT**

The invention relates to a machining machine for lenses, which comprises a first workpiece drive, configured as the transport receptacle and having a workpiece spindle, a workpiece changer for exchanging workpieces between the workpiece drive and a workpiece stock, and a machining station for machining a workpiece. The workpiece spindle of the workpiece drive can be rotated about an axis of rotation (c1). The workpiece drive can be swiveled about a first swiveling axis (b1) which is arranged at a right angle to the axis of rotation (c1). The work piece drive can be rotated about an axis of rotation (k) which is arranged at a right angle to the first swiveling axis (b1). The machining machine according to the invention is characterized in that at least one further workpiece drive is provided and has a spindle that can be rotated about a respective axis of rotation (c1, c2). Both workpiece drives can be swiveled about a first swiveling axis (b1, b2) which is arranged at a right angle to the respective axis of rotation (c1, c2). Both workpiece drives can be displaced and driven in a translatory manner about a translatory axis of displacement (x1, x2) which is arranged at a right angle to the first swiveling axis (b1, b2). Both workpiece drives can be rotated together about the axis of rotation (k).